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(54) **PRESCALER**

(57) Abstract:

PURPOSE: To provide the prescaler which performs the frequency dividing operation over a wide band.

CONSTITUTION: In a prescaler IC 10, a dynamic frequency dividing circuit 6 and a static frequency dividing circuit 7 are connected with a capacitor C2 between them. Power is supplied to frequency divider circuits 6 and 7 from power terminals 3 and 4 independently of each other. When an AC signal S1a on the high frequency side is inputted to an input terminal 1, frequency divider circuits 6 and 7 are operated. When an AC signal S1b on the low frequency side is inputted to an input terminal 2, only the frequency divider circuit 7 is operated.

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